

1632

RAW SEQUENCE LISTING DATE: 02/06/2001 TIME: 16:04:47 PATENT APPLICATION: US/09/724,693A

Input Set : A:\402gseq.002

Does Not Comply
Corrected Diskette Needed

```
Output Set: N:\CRF3\02062001\1724693A.raw
                      SEQUENCE LISTING
C--> 4 (1) GENERAL INFORMATION:
             (i) APPLICANT: Hadlaczky, Gyula
                             Szalay, Aladar
C--> 9
             (ii) TITLE OF INVENTION: ARTIFICIAL CHROMOSOMES, USES THEREOF
     1.0
                                      AND METHODS FOR PREPARING ARTIFICIAL CHROMOSOMES
     1.2
           (iii) NUMBER OF SEQUENCES: 34
                                                                                               RECEIVED
     14
            (iv) CORRESPONDENCE ADDRESS:
     15
                   (A) ADDRESSEE: Heller Ehrman White & McAuliffe
     1.6
                  (B) STREET: 4250 Executive Square, 7th Floor
                                                                                                  FEB 20 2001
     17
                  (C) CITY: La Jolla
     1.8
                  (D) STATE: CA
     19
                  (E) COUNTRY: USA
     20
                  (F) ZIP: 92037
                                                                                              TECH CENTER 1600/2900
     22
             (V) COMPUTER READABLE FORM:
     23
                  (A) MEDIUM TYPE: Diskette
     24
                  (B) COMPUTER: IBM Compatible
     25
                  (C) OPERATING SYSTEM: DOS
     26
                  (D) SOFTWARE: FastSEQ Version 1.5
     28
            (vi) CURRENT APPLICATION DATA:
C--> 29
                  (A) APPLICATION NUMBER: US/09/724,693A
C--> 30
                  (B) FILING DATE: 28-Nov-2000
     50
                  (C) CLASSIFICATION:
C-->47
           (vii) PRIOR APPLICATION DATA:
     33
                  (A) APPLICATION NUMBER: 08/835,682
     34
                  (B) FILING DATE: 10-APR-1997
     38
                  (A) APPLICATION NUMBER: 08/695,191
     39
                  (B) FILING DATE: 07-AUG-1996
     43
                  (A) APPLICATION NUMBER: 08/682,080
     44
                  (B) FILING DATE: 15-JUL-1996
     48
                  (A) APPLICATION NUMBER: 08/629,822
     49
                  (B) FILING DATE: 10-APR-1996
     52
          (viii) ATTORNEY/AGENT INFORMATION:
     53
                  (A) NAME: Seidman, Stephanie L
    54
                  (B) REGISTRATION NUMBER: 33,779
    55
                  (C) REFERENCE/DOCKET NUMBER: 24601-402G
    58
            (ix) TELECOMMUNICATION INFORMATION:
    59
                  (A) TELEPHONE: 858-450-8403
    60
                  (B) TELEFAX: 858-587-5360
    61
                  (C) TELEX:
    63 (2) INFORMATION FOR SEQ ID NO: 1:
    65
             (1) SEQUENCE CHARACTERISTICS:
                  (A) LENGTH: 1293 base pairs
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(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Genomic DNA

(C) STRANDEDNESS: single

67

68

69

7.1

```
RAW SEQUENCE LISTING
                                                              DATE: 02/06/2001
                      PATENT APPLICATION: US/09/724,693A
                                                               TIME: 16:04:47
                      Input Set : A:\402gseq.002
                      Output Set: N:\CRF3\02062001\I724693A.raw
      72
            (iii) HYPOTHETICAL: NO
C--> 73
             (iv) ANTI-SENSE: NO
W - - > 74
             (V) FRAGMENT TYPE:
      75
             (vi) ORIGINAL SOURCE:
      76
             (ix) FEATURE:
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
      78
         GAATTCATCA TTTTCANGT CCTCAAGTGG ATGTTTCTCA TTTNCCATGA TTTTAAGTTT
                                                                                60
         TCTCGCCATA TTCCTGGTCC TACAGTGTGC ATTTCTCCAT TTTNCACGTT TTNCAGTGAT
                                                                                120
        TTCGTCATTT TCAAGTCCTC AAGTGGATGT TTCTCATTTN CCATGAATTT CAGTTTTCTN
                                                                                180
         GCCATATTCC ACGTCCTACA GNGGACATTT CTAAATTTNC CACCTTTTTC AGTTTTCCTC
                                                                                240
        GCCATATTTC ACGTCCTAAA ATGTGTATTT CTCGTTTNCC GTGATTTTCA GTTTTCTCGC
                                                                                300
         CAGATTCCAG GTCCTATAAT GTGCATTTCT CATTINNCAC GTTTTTCAGT GATTTCGTCA
                                                                                360
        TTTTTTCAAG TCGGCAAGTG GATGTTTCTC ATTTNCCATG ATTTNCAGTT TTCTTGNAAT
                                                                               420
        ATTCCATGTC CTACAATGAT CATTTTTAAT TTTCCACCTT TTCATTTTTC CACGCCATAT
                                                                               480
         TTCATGTCCT AAAGTGTATA TTTCTCCTTT TCCGCGATTT TCAGTTTTCT CGCCATATTC
                                                                               540
        CAGGTCCTAC AGTGTGCATT CCTCATTTTT CACCTTTTTC ACTGATTTCG TCATTTTTCA
                                                                               600
        AGTCGTCAAC TGGATCTTTC TAATTTTCCA TGATTTTCAG TTATCTTGTC ATATTCCATG
     90
                                                                               660
         TCCTACAGTG GACATTTCTA AATTTTCCAA CTTTTTCAAT TTTTCTCGAC ATATTTGACG
                                                                               720
         TGCTAAAGTG TGTATTTCTT ATTTTCCGTG ATTTTCAGTT TTCTCGCCAT ATTCCAGGTC
                                                                               780
         CTAATAGTGT GCATTTCTCA TTTTTCACGT TTTTCAGTGA TTTCGTCATT TTTTCCAGTT
                                                                               840
         GTCAAGGGGA TGTTTCTCAT TTTCCATGAG TGTCAGTTTT CTTGCTATAT TCCATGTCCT
                                                                               900
         ACAGTGACAT TTCTAAATAT TATACCTTTT TCAGTTTTTC TCACCATATT TCACGTCCTA
                                                                               960
        AAGTATATAT TTCTCATTTT CCCTGATTTT CAGTTTCCTT GCCATATTCC AGGTCCTACA
                                                                              1020
         GTGTGCATTT CTCATTTTTC ACGTTTTTCA GTAATTTCTT CATTTTTTAA GCCCTCAAAT
                                                                              1080
         GGATGTTTCT CATTTTCCAT GATTTTCAGT TTTCTTGCCA TATACCATGT CCTACAGTGG
                                                                              1140
        ACATTTCTAA ATTATCCACC TTTTTCAGTT TTTCATCGGC ACATTTCACG TCCTAAAGTG
                                                                              1200
     100 TGTATTTCTA ATTTTCAGTG ATTTTCAGTT TTCTCGCCAT ATTCCAGGAC CTACAGTGTG
                                                                               1260
          CATTTCTCAT TTTTCACGTT TTTCAGTGAA TTC
                                                                               1293
     103 (2) INFORMATION FOR SEQ ID NO: 2:
     105
              (i) SEQUENCE CHARACTERISTICS:
     106
                   (A) LENGTH: 1044 base pairs
     107
                   (B) TYPE: nucleic acid
     1.08
                   (C) STRANDEDNESS: single
     109
                   (D) TOPOLOGY: linear
     111
             (ii) MOLECULE TYPE: Genomic DNA
     1.12
            (iii) HYPOTHETICAL: NO
C--> 113
             (iv) ANTI-SENSE: NO
W--> 114
              (V) FRAGMENT TYPE:
     115
             (vi) ORIGINAL SOURCE:
     116
             (ix) FEATURE:
     118
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
         AGGCCTATGG TGAAAAAGGA AATATCTTCC CCTGAAAACT AGACAGAAGG ATTCTCAGAA
    120
                                                                                 60
         TCTTATTTGT GATGTGCGCC CCTCAACTAA CAGTGTTGAA GCTTTCTTTT GATAGAGCAG
                                                                                120
         TTTTGAAACA CTCTTTTTGT AAAATCTGCA AGAGGATATT TGGATAGCTT TGAGGATTTC
    123 CGTTGGAAAC GGGATTGTCT TCATATAAAC CCTAGACAGA AGCATTCTCA GAAGCTTCAT
                                                                                240
    124 TGGGATGTTT CAGTTGAAGT CACAGTGTTG AACAGTCCCC TTTCATAGAG CAGGTTTGAA
                                                                                300
    125 ACACTCTTTT TTGTAGTATC TGGAAGTGGA CATTTGGAGC GATCTCAGGA CTGCGGTGAA
                                                                                360
    126 AAAGGAAATA TCTTCCAATA AAAGCTAGAT AGAGGCAATG TCAGAAACCT TTTTCATGAT
```

127 GTATCTACTC AGCTAACAGA GTTGAACCTT CCTTTGAGAG AGCAGTTTTG AAACACTCTT

420

480

PATENT APPLICATION: US/09/724,693A TIME: 16:04:47 Input Set : A:\402gseq.002 Output Set: N:\CRF3\02062001\1724693A.raw TTTGTGGAAT CTGCAAGTGG ATATTTGTCT AGCTTTGAGG ATTTCGTTGG GAAACGGGAT 128 540 TACATATAAA AAGCAGACAG CAGCATTCCC AGAAACTTCT TTGTGATGTT TGCATTCAAG 600 TCACAGAGTT GAACATTCCC TTTCATAGAG CAGGTTTGAA ACACACTTTT TGATGTATCT 660 131 GGATGTGGAC ATTTGCAGCG CTTTCAGGCC TAAGGTGAAA AGGAAATATC TTCCCCTGAA 720 132 AACTAGACAG AAGCATTCTC AGAAACTTAT TTGTGATGTG CGCCCTCAAC TAACAGTGTT 780 GAAGCTTTCT TTTGATAGAG GCAGTTTTGA AACACTCTTT TGTGGAATCT GCAAGTGGAT 133 840 134 ATTTGTCTAG CTTTGAGGAT TTCTTTGGAA ACGGGATTAC ATATAAAAAG CAGACAGCAG 900 CATTCCCAGA ATCTTGTTTG TGATGTTTGC ATTCAAGTCA CAGAGTTGAA CATTCCCTTT 960 CAGAGAGCAG GTTTGAACAC TCTTTTTATA GTATCTGGAT GTGGACATTT GGAGCGCTTT 1020 CAGGGGGGAT CCTCTAGAAT TCCT 1044 141 (2) INFORMATION FOR SEQ ID NO: 3: (i) SEQUENCE CHARACTERISTICS: 143 144 (A) LENGTH: 2492 base pairs 1.45 (B) TYPE: nucleic acid 146 (C) STRANDEDNESS: single 147 (D) TOPOLOGY: linear 149 (ii) MOLECULE TYPE: Genomic DNA 150 (iii) HYPOTHETICAL: NO (iv) ANTI-SENSE: NO C--> 151 W--> 152 (V) FRAGMENT TYPE: 153 (vi) ORIGINAL SOURCE: 1.54 (ix) FEATURE: 156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 158 CTGCAGCTGG GGGTCTCCAA TCAGGCAGGG GCCCCTTACT ACTCAGATGG GGTGGCCGAG 60 TAGGGGAAGG GGGTGCAGGC TGCATGAGTG GACACAGCTG TAGGACTACC TGGGGGCTGT 159 1.20 GGATCTATGG GGGTGGGGAG AAGCCCAGTG ACAGTGCCTA GAAGAGACAA GGTGGCCTGA 160 180 GAGGGTCTGA GGAACATAGA GCTGGCCATG TTGGGGCCAG GTCTCAAGCA GGAAGTGAGG 240 162 AATGGGACAG GCTTGAGGAT ACTCTACTCA GTAGCCAGGA TAGCAAGGAG GGCTTGGGGT 300 TGCTATCCTG GGGTTCAACC CCCCAGGTTG AAGGCCCTGG GGGAGATGGT CCCAGGACAT 360 164 ATTACAATGG ACACAGGAGG TTGGGACACC TGGAGTCACC AAACAAACC ATGCCAAGAG 420 AGACCATGAG TAGGGGTGTC CAGTCCAGCC CTCTGACTGA GCTGCATTGT TCAAATCCAA 480 AGGGCCCCTG CTGCCACCTA GTGGCTGATG GCATCCACAT GACCCTGGGC CACACGCGTT 540 TAGGGTCTCT GTGAAGACCA AGATCCTTGT TACATTGAAC GACTCCTAAA TGAGCAGAGA 600 168 TTTCCACCTA TTCGAAACAA TCACATAAAA TCCATCCTGG AAAAAGCCTG GGGGATGGCA 660 169 CTAAGGCTAG GGATAGGGTG GGATGAAGAT TATAGTTACA GTAAGGGGTT TAGGGTTAGG 720 GATCAACGTT GGTTAGGAGT TAGGGATACA GTAGGGTACC GGTAGGGTTA GGGGTTAGGG 170 780 TTAGGGGTTA GGGTTAGGGT TAGGGTTAGG GTTAGGGTTA GGGGTTAGGG GTTAGGGTTA 840 172 GGGTTAGGTT TTGGGGTGGC GTATTTTGGT CTTATACGCT GTGTTCCACT GGCAATGAAA 900 AGAGTTCTTG TTTTTCCTTC AGCAATTTGT CATTTTTAAA AGAGTTTAGC AATTCTAACA 173 960 1.74 GATATAGACC AGCTGTGCTA TCTCATTGTG GTTTTCAATT GTAACCACAT TGTGGTTTCA 1020 175 ATGTGTTTAC TTGCCATCTG TAGATCTTCT TTGCGTGAGG TGTCTGTTCA GATGTGTGTG 1080 CATTTCTTGN NTTTNGGCTG TTTAACTTAT TGTTTAGTTT TAATAATTTT TTATATATTT 1140 GAAGACAAAT CTTTCTCAGA TGTGTATTTG CAAATATTTC TTCAATATGA GGCTTGCTTT 1200 TGTCTCTAAC AAGGTCTCTT CAGAGATAAC TTAAATATAA GAAATCCACA CTGTCACTTC 1.78179 TTTTGTGTAT ATCTACCTTT TGTGTCATTT GTTAAAATTC ATTACCAAAC CCAAAGGCAG 1320 ATAGCTTTTC TTCTATTGTT TCTTCTAGAA ATTTGTATAG TTTTGCATTT TTAGTGTAAG 1380 181 GATGATTTG AGTGATTATT TGTGTAAGTT GTAAAGTTTT CGTCTATATC CATATCATTT 1440 182 CTTATGGTTT CCAATTAATC GTTCCCTCAC TATTTTTGGG AAAGACACAG GATAGTGGGC 1500 183 TTTGTTAGAG TAGATAGGTA GCTAGACATG AACAGGAGGG GGCCTCCTGG AAAAGGGAAA 1560

RAW SEQUENCE LISTING

DATE: 02/06/2001

FEB 20 2001

TECH CENTER 1600/2900

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1620
          GTCTGGGAAG GCTCACCTGG AGGACCACCA AAAATTCACA TATTAGTAGC ATCTCTAGTG
          CTGGAGTGGA TGGGCACTTG TCAATTGTGG GTAGGAGGGA AAAGAGGTCC TATGCAGAAA
                                                                             1680
     185
          GAAACTCCCT AGAACTCCTC TGAAGATGCC CCAATCATTC ACTCTGCAAT AAAAATGTCA
                                                                             1740
     186
          GAATATTGCT AGCTACATGC TGATAAGGNN AAAGGGGACA TTCTTAAGTG AAACCTGGCA
                                                                             1800
     187
          CCATAAGTAC AGATTAGGGC AGAGAAGGAC ATTCAAAAGA GGCAGGCGCA GTAGGTACAA
                                                                             1860
     188
          ACGTGATCGC TGTCAGTGTG CCTGGGATGG CGGGAAGGAG GCTGGTGCCA GAGTGGATTC
                                                                             1920
     190
         GTATTGATCA CCACACATAT ACCTCAACCA ACAGTGAGGA GGTCCCACAA GCCTAAGTGG
                                                                             1980
         GGCAAGTTGG GGAGCTAAGG CAGTACCAGG AAAACCAGAC AAAGAAAACA GGTGGAGACT
                                                                             2040
     191
                                                                             21.00
          2160
     193
         GCTGTTTAAT GCATCGCTCA GTCCCACTCC TCCCTATTTT TCTACAATAA ACTCTTTACA
         CTGTGTTTCT TTTCAATGAA GTTATCTGCC ATCTTTGTAT TGCCTCTTGG TGAAAATGTT
                                                                             2220
     194
     195
         TCTTCCAAGT TAAACAAGAA CTGGGACATC AGCTCTCCCC AGTAATAGCT CCGTTTCAGT
                                                                             2280
         TTGAATTTAC AGAACTGATG GGCTTAATAA CTGGCGCTCT GACTTTAGTG GTGCAGGAGG
                                                                             2340
         CCGTCACACC GGGACCAAGA GTGCCCTGCC TAGTCCCCAT CTGCCCGCAG GTGGCGGCTG
                                                                             2400
     1.97
     198
         CCTCGACACT GACAGCAATA GGGTCCGGCA GTGTCCCCAG CTGCCAGCAG GGGGCGTACG
                                                                             2460
                                                                             2492
     199
          ACGACTACAC TGTGAGCAAG AGGGCCCTGC AG
     201 (2) INFORMATION FOR SEQ ID NO: 4:
     203
              (i) SEQUENCE CHARACTERISTICS:
                   (A) LENGTH: 28 base pairs
     204
     205
                   (B) TYPE: nucleic acid
     206
                   (C) STRANDEDNESS: single
                   (D) TOPOLOGY: linear
     207
     209
             (ii) MOLECULE TYPE: Genomic DNA
     210
            (iii) HYPOTHETICAL: NO
C--> 211
             (iv) ANTI-SENSE: NO
W--> 212
              (V) FRAGMENT TYPE:
     213
             (vi) ORIGINAL SOURCE:
     214
             (ix) FEATURE:
     216
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
     218
         GGGGAATTCA TTGGGATGTT TCAGTTGA
                                                                             28
     220 (2) INFORMATION FOR SEQ ID NO: 5:
     222
              (i) SEQUENCE CHARACTERISTICS:
     223
                   (A) LENGTH: 29 base pairs
     224
                   (B) TYPE: nucleic acid
     225
                   (C) STRANDEDNESS: single
                   (D) TOPOLOGY: linear
     226
     228
             (ii) MOLECULE TYPE: Genomic DNA
            (iii) HYPOTHETICAL: NO
     229
C--> 230
            (iv) ANTI-SENSE: NO
W--> 231
              (V) FRAGMENT TYPE:
     232
             (vi) ORIGINAL SOURCE:
     233
             (ix) FEATURE:
     235
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
     237 CGAAAGTCCC CCCTAGGAGA TCTTAAGGA
     239 (2) INFORMATION FOR SEQ ID NO: 6:
             (i) SEQUENCE CHARACTERISTICS:
    241
    242
                  (A) LENGTH: 47 base pairs
    243
                  (B) TYPE: nucleic acid
                  (C) STRANDEDNESS: single
    244
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```
DATE: 02/06/2001
                     RAW SEQUENCE LISTING
                     PATENT APPLICATION: US/09/724,693A
                                                               TIME: 16:04:47
                     Input Set : A:\402gseq.002
                     Output Set: N:\CRF3\02062001\I724693A.raw
     245
                    (D) TOPOLOGY: linear
W--> 247
             (ii) MOLECULE TYPE: DNA
     248
            (iii) HYPOTHETICAL: NO
C--> 249
             (iv) ANTI-SENSE: NO
W--> 250
              (V) FRAGMENT TYPE:
     251
             (vi) Of IGINAL SOURCE:
     252
             (ix) FEATURE:
     254
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                                                                             47
     256 CCGCTTAATA CTCTGATGAG TCCGTGAGGA CGAAACGCTC TCGCACC
     260 (2) INFORMATION FOR SEQ ID NO: 7:
              (i) SEQUENCE CHARACTERISTICS:
     262
     263
                    (A) LENGTH: 25 base pairs
     264
                    (B) TYPE: nucleic acid
     265
                    (C) STRANDEDNESS: single
     266
                    (D) TOPOLOGY: linear
             (ii) MOLECULE TYPE: Genomic DNA
     268
     269
            (iii) HYPOTHETICAL: NO
C--> 270
             (iv) ANTI-SENSE: NO
W--> 271
              (V) FRAGMENT TYPE:
     272
             (vi) ORIGINAL SOURCE:
     273
             (ix) FEATURE:
     275
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
                                                                                25
     277 CGATTTAAAT TAATTAAGCC CGGGC
     280 (2) INFORMATION FOR SEQ ID NO: 8:
     282
              (i) SEQUENCE CHARACTERISTICS:
     283
                   (A) LENGTH: 27 base pairs
     284
                   (B) TYPE: nucleic acid
     285
                   (C) STRANDEDNESS: single
     286
                    (D) TOPOLOGY: linear
     288
             (ii) MOLECULE TYPE: Genomic DNA
     289
            (iii) HYPOTHETICAL: NO
C--> 290
             (iv) ANTI-SENSE: NO
W--> 291
              (V) FRAGMENT TYPE:
     292
             (vi) ORIGINAL SOURCE:
     293
             (ix) FEATURE:
     295
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
     297 TAAATTTAAT TAATTCGGGC CCGTCGA
                                                                                27
     299 (2) INFORMATION FOR SEQ ID NO: 9:
     301
              (i) SEQUENCE CHARACTERISTICS:
     302
                   (A) LENGTH: 69 base pairs
     303
                   (B) TYPE: nucleic acid
     304
                   (C) STRANDEDNESS: single
                   (D) TOPOLOGY: linear
     305
             (ii) MOLECULE TYPE: Genomic DNA
     310
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
     312 ATG TAC AGG ATG CAA CTC CTG TCT TGC ATT GCA CTA AGT CTT GCA CTT
                                                                               69 hunde the amis acres
     313 Met Tyr Arg Met Gln Leu Leu Ser Cys Ile Ala Leu Ser Leu Ala Leu
W--> 315 GTC ACA AAC AGT GCA CCT ACT
     316 Val Thr Asn Ser Ala Pro Thr
```

 VERIFICATION SUMMARY
 DATE: 02/06/2001

 PATENT APPLICATION:
 US/09/724,693A
 TIME: 16:04:48

Input Set : A:\402gseq.002

Output Set: N:\CRF3\02062001\1724693A.raw

```
L:4 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:9 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:37 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:42 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:47 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:73 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:78 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=1, Value=[]
L:74 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=1, Value=[]
L:113 M:220 C: Keyword misspelled or invalid format, [(iv) ANT1-SENSE:]
L:118 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=2, Value=[]
L:114 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=2, Value=[]
L:151 M:220 C: Keyword misspelled or invalid format, {(iv) ANTI-SENSE:}
L:156 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=3, Value=[]
L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=3, Value=[]
L:211 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:216 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=4, Value=[]
L:212 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=4, Value=[]
L:230 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:235 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=5, Value=[]
L:231 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=5, Value=[]
L:249 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:254 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=6, Value=[]
L:247 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6, Value=[DNA]
L:250 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=6, Value=[]
L:270 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:275 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=7, Value=[]
L:271 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=7, Value=[]
L:290 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:295 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=8, Value=[]
L:291 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8, Value=[]
L:308 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:308 M:220 C: Keyword misspelled or invalid format, Poss data loss, Seq 9, (D) OTHER INFORMATION:
L:315 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
L:339 M:220 C: Keyword misspelled or invalid format, [(H) DOCUMENT NUMBER:]
L:433 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:438 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=11, Value=[]
L:434 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11, Value=[]
L:452 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:457 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=12, Value=[]
L:453 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=12, Value=[]
L:471 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:472 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=13, Value=[]
L:512 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:513 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=14, Value=[]
L:553 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:554 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=15, Value=[]
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/724,693A

TIME: 16:04:48

Input Set : A:\402gseq.002

Output Set: N:\CRF3\02062001\1724693A.raw

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L:593 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:594 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=16, Value=[]
L:979 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:980 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=17, Value=[]
L:1713 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1714 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=18, Value=[]
L:1734 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1735 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=19, Value=[]
L:1764 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1765 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=20, Value=[]
L:1789 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1790 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=21, Value=[]
L:1813 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1814 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=22, Value=[]
L:1837 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1838 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=23, Value=[]
L:1866 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1867 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=24, Value=[]
L:1896 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1897 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=25, Value=[]
L:1914 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1915 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=26, Value=[]
L:1932 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1933 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=27, Value=[]
L:1950 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1951 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=28, Value=[]
L:1968 M:220 C: Keyword misspelled or invalid format, {(iv) ANTI-SENSE:]
L:1969 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=29, Value=[]
L:1987 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:1988 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=30, Value=[]
L:2005 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2006 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=31, Value=[]
L:2023 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2024 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=32, Value=[]
L:2041 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2042 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=33, Value=[]
L:2059 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:2060 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=34, Value=[]
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